

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Roberts, et al. Art Unit : 2886  
Serial No. : 10/528,348 Examiner : Tara S. Pajoohi  
Filed : November 7, 2005 Conf. No.: 5044  
Title : STREAM-WISE THERMAL GRADIENT CLOUD CONDENSATION  
NUCLEI CHAMBER

**MAIL STOP ISSUE FEE**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Notice of Allowance Date: December 4, 2009

RESPONSE TO NOTICE OF ALLOWANCE

In response to the Notice of Allowance mailed December 4, 2009, enclosed is a completed issue fee transmittal form PTOL-85b.

Please apply any credits or additional charges to deposit account 06-1050.

Examiner's amendments to claims

Applicants thank the examiner for the telephone discussion on November 4, 2009 where Applicants' attorney Bing Ai and the Examiner discussed and agreed to the amendment to Claim 27 as set forth in the Examiner's amendment in the Notice of Allowance.

During the telephone call, it was also agreed that Claims 25-26 be canceled via the examiner's amendment. This status of Claims 25-26 is not indicated in the Notice of Allowance.

On page 4 of the Notice of Allowance, Applicants believe the Examiner meant to refer to claims 22 and 27, rather than "claims 22 and 25" in the comments.

Applicant : Gregory C. Roberts, et al.  
Serial No. : 10/528,348  
Filed : November 7, 2005  
Page : 2

Attorney's Docket No.: 15670-0054US1 / SD2002-186

Applicants' comments on notice of allowance

Applicants recognize that in accordance with M.P.E.P. § 1302.14, the Examiner's reasons for allowance need not set forth all of the details as to why the claims are allowed.

Applicants do not concede that the Examiner's stated reasons for allowance are the only reasons for which the claims are allowable. The claims may be allowable for other reasons as well. In particular, Applicants do not concede that all of the limitations identified by the Examiner are necessary to distinguish the prior art of record or to satisfy the requirements of 35 U.S.C. § 112. In addition, the Examiner does not assert, and Applicants would not concede, that the Examiner's reasons have any bearing on the patentability of claims in any other applications directed to the disclosed subject matter.

In addition, each dependent claim stands on its own and is allowable on its own merits. In particular, each dependent claim may be allowable on the basis of a combination of some of the features recited in the dependent claim and its base claim(s), which combination of features may not include all of the limitations identified in the Examiner's reasons for allowance.

Respectfully submitted,

Date: December 16, 2009

/Bing Ai/

Bing Ai

Reg. No. 43,312

Fish & Richardson P.C.  
USPTO Customer No. **20985**  
12390 El Camino Real  
San Diego, CA 92130  
Telephone: (858) 678-5070  
Facsimile: (858) 678-5099  
10959570.doc

## PART B – FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: **Mail** **Mail Stop ISSUE FEE**  
**Commissioner for Patents**  
**P.O. Box 1450**  
**Alexandria, Virginia 22313-1450**  
**or Fax** **(571) 273-2885**

**INSTRUCTIONS:** This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 4 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Legibly mark-up with any corrections or use Block 1)

20985                    7590                    12/04/2009

**FISH & RICHARDSON P.C.**  
**P.O. Box 1022**  
**Minneapolis, MN 55440-1022**

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/528,348	11/07/2005	Gregory C. Roberts	15670-0054US1 sd2002-186	5044

TITLE OF INVENTION: **STREAM-WISE THERMAL GRADIENT CLOUD CONDENSATION NUCLEI CHAMBER**

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	\$755	\$300	\$1055	03/04/2010

EXAMINER	ART UNIT	CLASS-SUBCLASS
PAJOOHI, TARA S.	2886	356-037000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.

"Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. Inclusion of assignee data is only appropriate when an assignment has been previously submitted to the USPTO or is being submitted under separate cover. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

**The Regents of the University of California**

**California Institute of Technology**

**Oakland, CA**

**Pasadena, CA**

Please check the appropriate assignee category or categories (will not be printed on the patent):  individual  corporation or other private group entity  government

4a. The following fee(s) are enclosed:

Issue Fee  
 Publication Fee (No small entity discount permitted)  
 Advance Order - # of Copies \_\_\_\_\_

4b. Payment of Fee(s):

A check in the amount of the fee(s) is enclosed.  
 Payment by credit card. Form PTO-2038 is attached.  
 The Director is hereby authorized to charge the required fee(s), or credit any overpayment, to Deposit Account Number 06-1050 (enclose an extra copy of this form).

5. **Change in Entity Status** (from status indicated above)

a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27.

b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

The Director of the USPTO is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above.

NOTE: The issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant, a registered agent or; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

(Authorized Signature)

/Bing Ai/

(Date) **December 16, 2009**

Typed or Printed Name

**Bing Ai**

Registration No. **43,312**

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**TRANSMIT THIS FORM WITH FEE(S)**